



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 15

**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| ✓                      |                       | US- 3,588,858                            | 06/1971                        | Demuth   |   |
| ✓                      |                       | US- 3,784,842                            | 01/1974                        | Kremer   |   |
|                        |                       | US- 4,058,802                            | 11/1977                        | Meyers   |   |
|                        |                       | US- 4,598,272                            | 07/1986                        | Cox  |   |
|                        |                       | US- 4,665,385                            | 05/1987                        | Henderson  |   |
|                        |                       | US- 4,675,656                            | 06/1987                        | Narcisse   |   |
|                        |                       | US- 4,777,478                            | 10/1988                        | Hirsch et al.                                      |   |
|                        |                       | US- 4,785,291                            | 01/1988                        | Hawthorne  |   |
|                        |                       | US- 4,819,860                            | 04/1989                        | Hargrove et al.                                    |   |
|                        |                       | US- 4,833,477                            | 05/1989                        | Tendlera   |   |
|                        |                       | US- 4,899,135                            | 02/1990                        | Ghahariaran  |   |
|                        |                       | US- 4,952,928                            | 08/1990                        | Carroll et al.                                     |   |
|                        |                       | US- 5,025,247                            | 06/1991                        | Banks  |   |
|                        |                       | US- 5,043,702                            | 08/1991                        | Kuo  |   |
|                        |                       | US- 5,043,736                            | 08/1991                        | Darnell et al.                                     |   |
|                        |                       | US- 5,047,750                            | 09/1991                        | Hector   |   |
|                        |                       | US- 5,081,667 A                          | 01/1992                        | Drori et al.                                       |   |
|                        |                       | US- 5,086,391 A                          | 02/1992                        | Chambers   |   |
|                        |                       | US- 5,115,223 A                          | 05/1992                        | Moody  |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |   |
|--------------------------|-----------------------|---|--------------------------------|---|---|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear | † |
|                          |                       | Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known) |                                |   |   |   |
|                          |                       | EP 0 559 074 A1   | 02/1993                        |   |   |   |
|                          |                       | GB 2274188  | 07/1994                        |   |   |   |
|                          |                       | WO 93/06531   | 04/1993                        |   |   |   |
|                          |                       | WO 94/15412   | 07/1994                        |   |   |   |
|                          |                       |   |                                |   |   |   |

|                    |  |                 |          |
|--------------------|--|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|--|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.


Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

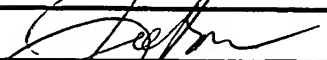
(Use as many sheets as necessary)

Sheet 2 of 15**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

| U. S. PATENT DOCUMENTS  |                          |  |                                |  |   |
|---|--------------------------|--|--------------------------------|--|---|
| Examiner<br>Initials*   | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|   |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|  |                          | US- 5,119,341 A                          | 06/1992                        | Youngberg  |   |
|   |                          | US- 5,202,829 A                          | 04/1993                        | Geier  |   |
|   |                          | US- 5,223,844 A                          | 06/1993                        | Mansell et al.                                     |   |
|   |                          | US- 5,225,842 A                          | 09/1993                        | Brown et al.                                       |   |
|   |                          | US- 5,274,359 A                          | 12/1993                        | Adams  |   |
|   |                          | US- 5,301,368 A                          | 04/1994                        | Hirata   |   |
|   |                          | US- 5,311,197 A                          | 05/1994                        | Sorden et al.                                      |   |
|   |                          | US- 5,319,698 A                          | 06/1994                        | Glidewell et al.                                   |   |
|   |                          | US- 5,334,974 A                          | 08/1994                        | Simms et al.                                       |   |
|   |                          | US- 5,345,244 A                          | 09/1994                        | Gildea et al.                                      |   |
|   |                          | US- 5,355,140 A                          | 10/1994                        | Slavin et al.                                      |   |
|   |                          | US- 5,365,450 A                          | 11/1994                        | Schuchman et al.                                   |   |
|   |                          | US- 5,367,306 A                          | 11/1994                        | Hollan et al.                                      |   |
|   |                          | US- 5,379,224 A                          | 01/1995                        | Brown et al.                                       |   |
|   |                          | US- 5,381,129 A                          | 01/1995                        | Boardman   |   |
|   |                          | US- 5,388,147 A                          | 02/1995                        | Grimes   |   |
|   |                          | US- 5,408,238 A                          | 04/1995                        | Smith  |   |
|   |                          | US- 5,414,432 A                          | 05/1995                        | Penny Jr. et al.                                   |   |
|   |                          | US- 5,418,537 A                          | 05/1995                        | Bird   |   |

| FOREIGN PATENT DOCUMENTS |                          |  |                     |  |   |                |
|--------------------------|--------------------------|--|---------------------|--|---|----------------|
| Examiner<br>Initials*    | Cite<br>No. <sup>1</sup> | Foreign Patent Document  | Publication<br>Date | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>4</sup> |
|                          |                          | Country Code <sup>3</sup> Number * Kind Code <sup>4</sup> (if known) | MM-DD-YYYY          |  |   |                |
| ✓                        |                          | PCT/US96/17473   | 08/25/1997          |  |   |                |
|                          |                          | PCT/US95/13823   | 12/06/1996          |  |   |                |
|                          |                          | PCT/US95/13823 ISR   | 02/23/1996          |  |   |                |
|                          |                          |  |                     |  |   |                |
|                          |                          |  |                     |  |   |                |

|                       |   |                    |           |
|-----------------------|---|--------------------|-----------|
| Examiner<br>Signature |  | Date<br>Considered | 8/4/03/05 |
|-----------------------|---|--------------------|-----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of 15

**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| [Signature]            |                       | US- 5,420,592 A                          | 05/1995                        | Johnson  |   |
|                        |                       | US- 5,422,814 A                          | 06/1995                        | Sprague et al.                                     |   |
|                        |                       | US- 5,422,816 A                          | 06/1995                        | Sprague et al.                                     |   |
|                        |                       | US- 5,432,841 A                          | 07/1995                        | Rimer  |   |
|                        |                       | US- 5,438,337 A                          | 08/1995                        | Aquado   |   |
|                        |                       | US- 5,440,491 A                          | 08/1995                        | Kawano et al.                                      |   |
|                        |                       | US- 5,450,344 A                          | 09/1995                        | Woo et al.   |   |
|                        |                       | US- 5,461,390 A                          | 10/1995                        | Hoshen   |   |
|                        |                       | US- 5,479,482 A                          | 12/1995                        | Grimes   |   |
|                        |                       | US- 5,515,043 A                          | 05/1996                        | Berard et al.                                      |   |
|                        |                       | US- 5,515,285 A                          | 05/1996                        | Garrete, Sr. et al.                                |   |
|                        |                       | US- 5,519,403 A                          | 05/1996                        | Bickley et al.                                     |   |
|                        |                       | US- 5,551,285 A                          | 09/1996                        | Gannon et al.                                      |   |
|                        |                       | US- 5,552,772 A                          | 09/1996                        | Janky et al.                                       |   |
|                        |                       | US- 5,555,286 A                          | 09/1996                        | Tendler  |   |
|                        |                       | US- 5,587,715 A                          | 12/1996                        | Lewis  |   |
|                        |                       | US- 5,630,206 A                          | 05/1997                        | Urban et al.                                       |   |
|                        |                       | US- 5,673,305 A                          | 09/1997                        | Ross   |   |
|                        |                       | US- 5,712,899 A                          | 01/1998                        | Pace, II   |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |

Examiner  
Signature

[Signature]

Date  
Considered

02/03/05

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**

Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

|       |   |    |    |
|-------|---|----|----|
| Sheet | 4 | of | 15 |
|-------|---|----|----|

**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

## U. S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.**

Substitute for form 1449PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

Application Number 10/695,560

Filing Date 10/27/2003

First Named Inventor Schlager, Dan

Art Unit 2632

Examiner Name Wu, Daniel

Attorney Docket Number SCHL-PAR2

Sheet 5 of 15

**U. S. PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|--|--------------------------------|--|---|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US-                                      |                                |  |   |
|                       |                          | US- 4,589,132                            | 05/1986                        | Bothol   |   |
|                       |                          | US- 4,651,157                            | 03/1987                        | Gray et al.  |   |
|                       |                          | US- 4,891,650                            | 06/1990                        | Sheffer  |   |
|                       |                          | US- 5,144,323 A                          | 09/1992                        | Yonkers  |   |
|                       |                          | US- 5,193,215 A                          | 03/1993                        | Olmer  |   |
|                       |                          | US- 5,218,344 A                          | 06/1993                        | Ricketts   |   |
|                       |                          | US- 5,343,493 A                          | 08/1994                        | Karimullah   |   |
|                       |                          | US- 5,392,052 A                          | 02/1995                        | Eberwine   |   |
|                       |                          | US- 5,434,787 A                          | 07/1995                        | Okamoto  |   |
|                       |                          | US- 5,504,482 A                          | 04/1996                        | Schreder   |   |
|                       |                          | US- 5,504,491 A                          | 04/1996                        | Chapman  |   |
|                       |                          | US- 5,555,289 A                          | 09/1996                        | Hashimoto  |   |

**FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document   | Publication<br>Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | 1* |
|-----------------------|--------------------------|---|-----------------------------------|--|---|----|
|                       |                          | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |
|                       |                          |   |                                   |  |   |    |

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 6


of 15

**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10-27-2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

| U. S. PATENT DOCUMENTS |                       |  |                                |  |   |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials*     | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                        |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| ✓                      |                       | US- 5,557,254 A                          | 09/1996                        | Johnson  |   |
|                        |                       | US- 5,663,734 A                          | 09/1997                        | Krasner  |   |
|                        |                       | US- 5,712,619 A                          | 01/1998                        | Simkin   |   |
|                        |                       | US- 5,742,233 A                          | 04/1998                        | Hoffman et al.                                     |   |
|                        |                       | US- 5,796,365 A                          | 08/1998                        | Lewis  |   |
|                        |                       | US- 5,848,373 A                          | 12/1998                        | DeLorme et al.                                     |   |
|                        |                       | US- 5,859,628 A                          | 01/1999                        | Ross et al.  |   |
|                        |                       | US- 5,982,324 A                          | 11/1999                        | Walters  |   |
|                        |                       | US- 6,067,045 A                          | 05/2000                        | Castellote et al.                                  |   |
|                        |                       | US- 6,087,983 A                          | 07/2000                        | Ho et al.  |   |
|                        |                       | US- 5,719,771 A                          | 2/1998                         | Buck et al.  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |
|                        |                       | US-                                      |                                |  |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |
|                          |                       |   |                                |  |   |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|


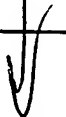
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

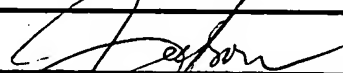
This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

|  |       |                                  |               |
|--|-------|----------------------------------|---------------|
| Substitute for form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br><i>(Use as many sheets as necessary)</i> |       | <b>Complete if Known</b>         |               |
|  |       | Application Number               | 10/695,560    |
|  |       | Filing Date                      | 10-27-2003    |
|  |       | First Named Inventor             | Schlager, Dan |
|  |       | Art Unit                         | 2632          |
|  |       | Examiner Name                    | Wu, Daniel    |
| Sheet 7  | of 15 | Attorney Docket Number SCHL-PAR2 |               |

| NON PATENT LITERATURE DOCUMENTS   |                       |   |                |
|---|-----------------------|---|----------------|
| Examiner Initials*  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|    | 5                     | RAAB et al., "An Application of the Global Positioning System to Search and Rescue and Remote Tracking," Nav. Journal of Inst. of Navig, Fall 1997, Vol. 24, No. 3  |                |
|   | 6                     | CAMERON et al, "Use of Commercial GIS and GPS for Emerg. Location and Dispatch"; 51st Annual Mtng of Inst. of Navigation, June 1995   |                |
|   | 7                     | DRISCOLL, "Finding the Fleet: Vehicle Location Systems and Technologies" GPS World; April 1994, Pp. 66-70.  |                |
|   | 8                     | MASTERS, et al., "GPS/GIS and Space Time Data" Presented at the Institute of Navigation, Sept. 1994   |                |
|   | 12                    | OMNITRACS Technical Overview, QUALCOMM Ind. 80-6462   |                |
|   | 18                    | Executive Summary, CAE-Link's CPLS and LinkTrak Systems, Copyright 1993, CAE-Link   |                |
|   | 19                    | LINKTRAK User's Guide, Rev. 00, CAE-Link Corp., LinkTrak Version 1.0, March 18, 1994  |                |
|   | 20                    | MAYWALD, DENNIS "Product Description LinkTrak Roadside Assistance System," March 4, 1994  |                |
|   | 21                    | LINKTRAK'S Regional Mobile Emergency Response Coord. System Operation, October 22, 1993   |                |
|  | 22                    | CPLS Cellular Position Location System, LINKTRAK Security System, CAE-Link Corp. 1993   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

8

of

15

**Complete if Known**

Application Number 10/695,560

Filing Date 10/27/2003











First Named Inventor Schlager, Dan

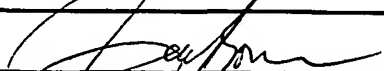
Art Unit 2632

Examiner Name Wu, Daniel

Attorney Docket Number SCHL-PAR2

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials*  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---|-----------------------|---|----------------|
|    | 24                    | BROWN, A; "A Low Cost Vehicle Location and Tracking System," IEEE PLANS; March 1992; California, USA  |                |
|    | 25                    | BROWN, A; "A Low Cost GPS Sensor for Tracking Applications, ION Satellite Div. Int'l Technical Meeting, September 1993, Salt Lake City, UT, USA   |                |
|    | 26                    | KIJAN et al., "GPS to the Rescue - Mayday for Motorists;" ION Satellite Div. Intl. technical Meeting, September 1993, Salt Lake City, UT USA  |                |
|    | 27                    | BROWN et al., "GPS Receivers - TIDGET-PLUS: Urban Navigation with Stand-Alone GPS"; ION Satellite Div. Intl. Technical Meeting, Sept. 1994, Salt Lake City, UT USA  |                |
|  | 28                    | BROWN, A. et al. "TIDGET Mayday System for Motorists," IEEE Position, Location and Nav. Symposium, April 1994, Las Vegas, NV USA  |                |
|  | 29                    | BROWN, A. et al., "An Operational Test of a Vehicle Emergency Location Service in Colorado"; Winter 1994-1995; Paper received June 1994, Revised August 1995.   |                |
|  | 30                    | CAMERON, "A Mayday System for Rural Highway Travel"; ITS America Annual Conf., March 1995, Washington, DC USA   |                |
|  | 31                    | "Intellegent Transportation System Mayday Becomes a Reality"; NAECON Nat'l Aerospace Elec. Conf., May 1995, Dayton, OH USA  |                |
|  | 32                    | "Use of Commercial GIS and GPS for Emergency Location and Dispatch, ION 51st Annual Meeting, June 1995, Colorado Springs, CO USA  |                |
|  | 33                    | "Strategic Plan for Intelligent Vehicle Highway Systems," Report No. IVHS-AMER-92-3, IVHS America, May 20, 1993   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)


**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

Sheet 9 of 15

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite. No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|------------------------|---|----------------|
| CS                 | 34                     | ITS Architecture Development Program, Phase 1, Summary Report, ITS America, November 1994   |                |
|                    | 35                     | JHK ASSOC.; "Advanced Traveler Information Systems for Rural Areas"; January 1995   |                |
|                    | 38                     | GERALD PIERCE, "Calling for a PCN Emergency Services Standard"; Telephony, December 21, 1992  |                |
|                    | 39                     | SWALES, MALONEY & STEVENSON, "Locating Mobile Phones & US Wireless E-911 Mandate;" IEEE, 1999   |                |
|                    | 40                     | FRENCH, DRISCOLL; "Location Technologies for ITS Emergency Notification and E911"   |                |
|                    | 41                     | GLOECKLER, VAN DIERENDONCK, HATCH; "Proposed Rev. to TRCM SC-104, Recom. Standards of Differential NAVSTAR/GPS Service for Carrier Phase Appln;" Proceedings of ION, GPS93;1992   |                |
|                    | 42                     | BERTIGER, BAR-SEVER, HAINES, IBANEZ-MEIER, MUELLERSCHOEN, MUNSON, RIM, WU, ABUSALI; SCHUTZ, WILLIS; "The 1st Low Earth Orbiter w/Precise GPS Pos. Topex/Poseidon" ION-GPS93;1992  |                |
|                    | 43                     | Technical Proposal for the GPS Demo. Receiver Subsystem VOL. 1, 23 Sept, 1986   |                |
|                    | 44                     | RTCM Rec. Standards for Differential NAVSTAR GPS Serv., Jan 3, 1994   |                |
|                    | 45                     | FRENCH, ROBERT J., "Automobile Navigation: Where is it Going?" ; IEEE AES Magazine May 1987; 6-12   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with field communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1448/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)


**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10-27-2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

Sheet 10 of 15

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    | 46                    | KRAKIWSKY, EDWARD J., "GPS and Vehicle Location and Navigation"; GPS World; May 1991; 50-53   |                |
|                    | 49                    | "Automatic Vehicle Location System"; Advertisement in GPS World, August 1992, Dallas, TX USA  |                |
|                    | 51                    | KILJAN, JOHN P. et al.; "GPS to the Rescue-Mayday for Motorists; ION-GPS 93, September 1993; Salt Lake City, Utah USA   |                |
|                    | 52                    | SUSHKO, M., Kensington & Icknield, Ltd.; "Navigating the Earth and Beyond;" 1994 Nat. Tech Mtng Proceedings, Catamaran Rsr Hotel; Jan. 24-26, 1994; 261-275; San Diego, CA USA  |                |
|                    | 53                    | KRAKIWSKY, EDWARD J., "Innovations in Vehicle Treacking and Navigation"; GPS World February, 1994; 42-45  |                |
|                    | 54                    | Auto Trac, Vehicle Tracking System, GPS World Magazine, February 1994   |                |
|                    | 55                    | MARKS, PETER; "For a few lucky motorists, guidance by satellite"; New York Times, April 2, 1994; 1, 16  |                |
|                    | 56                    | BROWN, ALISON, AND SILVA; "TIDGET Mayday System for Motorists;" IEEE Plans; April 1994, Las Vegas, NV USA   |                |
|                    | 57                    | DRISCOLL, CLEMENT; "Finding the Fleet; Vehicle Location Systems and Technologies"; BPS World; April 1994, 66-70   |                |
|                    | 58                    | <a href="http://www.mobilecomms-technology.com/contractors/gisservices/ms/">http://www.mobilecomms-technology.com/contractors/gisservices/ms/</a>   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**











(Use as many sheets as necessary)


**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

Sheet 11 of 15

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials*  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---|-----------------------|---|----------------|
|    | 59                    | ETE Inc., Communications Peripheral, Advertisement in GPS WORLD, August 1994; 58  |                |
|    | 60                    | EWAN MASTERS, BEMD MIRSCH, and KEN WONG; "GPS/GIS and Space Time Data"; ION-GPS; September 1994   |                |
|    | 61                    | GPS WORLD; "Avis to the Rescue"; GPS WORLD, November 1994   |                |
|   | 62                    | KRAKIWSKY, EDWARD J. and HARRIS, CLYDE; "Communications for AVLN Systems"; GPS WORLD; November 1994; 42-50  |                |
|  | 63                    | MANN, STEVE; "ETE Communicator Finally Shipping"; PDA Developers; Jan/Feb 1995; 1-2   |                |
|  | 64                    | TRIMBLE; "Trimble Introduces New Line of Wireless Communications Products"; News Release; Feb. 1, 1995  |                |
|  | 65                    | GPS WORLD; "Firms Sign Agreement on GPS/Cellular Standards"; Notes, February 1995; 57   |                |
|  | 66                    | KRAKIWSKY, EDWARD and MCLELLAN, J.F.; "Making GPS Even Better with Auxiliary Devices"; GPS WORLD; March 1995; 46-53   |                |
|  | 67                    | MOTOROLA; "Motorola Cellular Positioning and Emergency Messaging Unit"; picture and description; undated  |                |
|  | 68                    | ATTN; "Trimble's Trackers Go Wireless"; Advanced Transportation Technology News; March 1995   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**











(Use as many sheets as necessary)

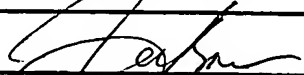
**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

Sheet 12 of 15

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials*  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---|-----------------------|---|----------------|
|    | 69                    | CAMERON, MAX ET AL.; "A Mayday System for Rural Highway Travel"; ITS America Annual Conference; March 1995; Washington, DC USA  |                |
|    | 70                    | CAMERON, MAX and BROWN, A.; "Intelligent Transportation System Mayday Becomes a Reality"; NAECON; May 1995; Dayton, OH USA  |                |
|    | 71                    | SUSHKO, M.; "Cellular Data Serv. for Vehicular Tracking, Control and Information Systems"; Meeting Proceedings Celebr. 50th Anniv. of ION; June 5-7, 1995; Colo.Springs, CO USA   |                |
|   | 72                    | LAW, ALEX; "Lincoln Tracking System Puts Help a Button Away"; Toronto Star, June 1995; H14  |                |
|  | 73                    | HIGHWAY MASTER; "Cellular Communications System"; GPS WORLD advertisement; August 1995  |                |
|  | 74                    | GPS WORLD NEWSLETTER; "Cellular and Location Determination: Texas Agency Sets GPS 911 Trial; GPS WORLD Newsletter; September 12, 1995   |                |
|  | 75                    | LACEY, NEIL and CAMERON, MAX; "Mayday in the Rockies: Colorado's GPS-Based emergency Vehicle Location System; GPS WORLD, October 1995; 40   |                |
|  | 76                    | GPS WORLD; "Texas Adds GPS to Cellular E911 Trials"; GPS World Global View; October 1995; 19  |                |
|  | 77                    | ATTN; "Secure-Track Secures Vehicle Safety"; Advanced Transportation Technology News; November 1995   |                |
|  | 78                    | AUTO-TRAC; "Cellular-based Vehicle Tracking Unit"; GPS World advertisement; December 1995   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**



(Use as many sheets as necessary)

**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

Sheet 13 of 15

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials*  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---|-----------------------|---|----------------|
|    | 82                    | SHAMPAIN, SHON; "GPS Phone an Integrated GPS/Cellular Handset"; ION GPS, September 1997; Kansas City, MO USA  |                |
|   | 83                    | HAYASHI, WATANABE, SAEKINE, YOKOI; "Search and Rescue System Utilizing GPS and a Geostationary Meteorological Satellite; Proceedings of ION GPS 1993  |                |
|   | 84                    | YANG and YIP; "Integration of Vehicular Navigation and Mobitex Wireless Pocket Data Network"; Proceedings of National Technical Meeting, 1994   |                |
|   | 85                    | PINKARD; "Combat Survivor Evader Locator (CSEL), A New Method for Locating Survivor"; 1994  |                |
|   | 86                    | MOEGLEIN, HAKAYAMA, HAMMER, and BLACKWELL; "Options for PPS Space Segment Accuracy Requirements"; Proceedings of National Technical Meeting; January 22-24, 1996  |                |
|   | 87                    | FRENCH and DRISCOLL; "Location Technologies for ITS Emergency Notification and E911; 1996   |                |
|   | 88                    | RAJPO Tutorial, October 1990  |                |
|   | 89                    | Differential GPS I - ION GPS - 95 Tutorial; September 12, 1995  |                |
|   | 90                    | GPS WORLD SHOWCASE; "Open-ended AVL"; Dec. 1994   |                |
|  | 91                    | GPS WORLD SHOWCASE; "Portable AVL"; August 1995   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**











|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10/27/2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |

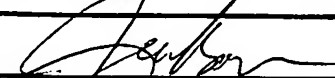
Sheet 14

of

15

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials*  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---|-----------------------|---|----------------|
|    | 92                    | GPS WORLD; "XT Oncore, Arrow Cellular Positioning and Messaging Product"; GPS World, June 1995  |                |
|    | 93                    | GPS WORLD SHOWCASE; "AVL System"; GPS World Showcase, August 1994   |                |
|    | 94                    | DRISCOLL; "If you build it will they come? Location-based Communications and the Consumer"; GPS World, November, 1996   |                |
|  | 95                    | SIRF Navigations 1996   |                |
|  | 96                    | ROCKWELL PRO 2000, Mobile Communications Systems, 1995  |                |
|  | 97                    | DR REPORTS; "The Global Positioning System"; November 1991  |                |
|  | 98                    | Tracking Products, Inc.   |                |
|  | 99                    | GPS WORLD NEWSLETTER; "Start-up Goes After GPS Chips"; September 13, 1996   |                |
|  | 100                   | YOSHUDA; "GPS in Consumer Orbit"; Electronic Engineering Times; August 21, 1995   |                |
|  | 101                   | Mobile Virtual Presence (MVP-R2 REMOTE); MVP-R2 Remote Technical Specification; May 21, 1997  |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

|                        |               |
|------------------------|---------------|
| Application Number     | 10/695,560    |
| Filing Date            | 10-27-2003    |
| First Named Inventor   | Schlager, Dan |
| Art Unit               | 2632          |
| Examiner Name          | Wu, Daniel    |
| Attorney Docket Number | SCHL-PAR2     |







Sheet


15

of

15

**NON PATENT LITERATURE DOCUMENTS**

| Examiner Initials*  | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---|-----------------------|---|----------------|
|    | 102                   | New Media Corporation Business Plan, 12/10/97   |                |
|    | 103                   | The Institute of Navigation; National Technical Meeting; January 24-26, 1994  |                |
|    | 104                   | DURST, FOWLER and McALEXANDER; "Mobile Object Locator"; May 22, 2001/July 28, 1999  |                |
|   | 105                   | WIRELESS INSIDER; "Life Vest Keeps GPS Afloat in Phones"; October 18, 1999  |                |
|  | 106                   | POWER LOC TECHNOLOGIES, Inc., Personal Location Devices (PLD)   |                |
|  | 107                   | AIC CONFERENCE; "Wireless Emergency Services"; May 13-14, 1997; San Francisco, CA USA   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |
|   |                       |   |                |

|                    |   |                 |          |
|--------------------|---|-----------------|----------|
| Examiner Signature |  | Date Considered | 04/03/05 |
|--------------------|---|-----------------|----------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.